

AMENDMENT TO THE SPECIFICATION

Please replace the paragraph appearing on page 1, lines 15-29 as follows:

Turbo code systems employ convolutional codes, which are generated by interleaving data. There are two types of turbo code systems: ones that use parallel concatenated convolutional codes, and ones that use serially concatenated convolutional codes. Data processing systems that employ parallel concatenated convolutional codes decode the codes in several stages. In a first stage, the original data (e.g. sequence of symbols) are processed, and in a second stage the data obtained by permuting the original sequence of symbols is processed, usually using the same process as in the first stage. The data are processed in parallel, requiring that the data be stored in several memories and accessed in parallel for the respective stage.